

**Final report template for Community Projects and Internet Research - to be sent to nicole@internetnz.net.nz on the date specified in your contract**

Grant reference number:	#CCP201506
Name of recipient and contact details	<i>Carl Pavletich 021 388 245</i>
Name of organisation (if applicable)	Fabriko
Title of project/research	Internet of Things (IoT) Cycling Data Project
Amount of funding received	\$15,000
Budget details	<i>MVP device development (Fab Lab Wtgn): \$6,800 App/Software Development: \$6,000 Project Management / trials &amp; Testing: \$1,200 User Experience Design: \$1000 Total \$15,000</i>
Project/research approach and methods	<i>Evolution 1 of the Sensibel (MVP) took 8 weeks to develop. It resulted in a trial, as outline in the phase 1 report attached (see Sensibel - Internet NZ2.pdf) The results of the trial activated two independent research projects one via University of Auckland (Alistair Woodward) and University of Canterbury (Hamish McNair). Since, the Sensibel has picked up further funding through the University of Auckland's study, which has enabled Evolution 2 of the device and App (see Fabriko-Sensibel.pdf).</i>
Summary of project/research outcomes	<p><i>The Sensibel is now embedded in two independent research projects.</i></p> <ol style="list-style-type: none"> <li><i>1. The future of the Bike (University of Auckland and Mackie Research) Ongoing, until early 2017</i></li> <li><i>2. Crowdsourced Data (University of Canterbury) Ongoing</i></li> </ol> <p>The project is still active and is now being considered as part of programmes for Auckland Transport, Christchurch City Council Smart City Initiative, AECOM cycling wayfinding, NZTA Northern cycleway study. The objective is to pool funding from a number of sources to activate Evolution 3 of the Sensibel platform. Sensibel's develop Hugh Barnes has been accepted as a finalist for the Open Source Awards : Use in Government and People's Choice</p>

Achievements	<p><i>The project has a wide community wrapped around it. This community has become a strong advocacy network for the project. The learning's from the Sensibel Project have now been packaged up into a initiative to activate more Citizen Science projects. This initiative has been backed by the Christchurch City Council. We believe this initiative will activate a number of other open source and open data projects. As well as projects that promote creative technologies.</i></p>
Difficulties	<p><i>The project has been bootstrapped and requires more substantial investment to be fully realise. It's been a year since the project's been activated, and while we're close on a number of fronts, we haven't yet been able to find a backer to take the project to a commerical level.</i></p>
Findings/learnings	<p><i>Cycling transformation and behavioral change projects require data and continuous user generated feedback. Cyclists need to be included in the consultation process from the beginning. Until now, this has been difficult to do. The Sensibel has the potential to change the conversation about cycling infrastructure and modal shift programmes.</i></p> <p><i>We've also proven that the Fab Lab Chch is the perfect vehicle to activate more participatory, citizen science based projects. We believe projects like these have the power to be connectors between citizens, industry, research and government.</i></p> <p><i>Citizen led projects have a greater social licence to operate than government led. Now IoT technology is so accessible, the data and subsequent knowledge gained from projects enable groups to make an authorative claim for more positive and inclusive social and environmental outcomes.</i></p>
Do you anticipate their being anything media-worthy in your project/research*	<p><i>Yes!</i></p> <p><i>If and when we land a larger government contract, we'd like to share our journey so far.</i></p> <p><i>We have the Open Source Awards, October 25<sup>th</sup> and would hope to leverage this.</i></p> <p><i>We also have the launch of the Citizen Science Initiative, which we'll aim to tie into the same window in October.</i></p>